

STN-CA search

(FILE 'HOME' ENTERED AT 09:22:05 ON 18 APR 2002)

FILE 'REGISTRY' ENTERED AT 09:22:13 ON 18 APR 2002

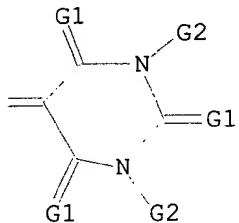
L1 STRUCTURE uploaded
L2 QUE L1
L3 50 S L2 SSS SAM
L4 24228 S L2 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 09:23:03 ON 18 APR 2002

L5 1892 S L4
L6 242 S L5 AND (COMPOSITION) AND (PHOTO?)
L7 13 S L6 AND (?BORON?)

=> d 12

L2 HAS NO ANSWERS
L1 STR



G1 O, S

G2 H, Ob, Hy, Ak, Ph

Structure attributes must be viewed using STN Express query preparation.

L2 QUE ABB=ON PLU=ON L1

L7 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:111232 CAPLUS
DOCUMENT NUMBER: 106:111232
TITLE: Application of the **boron** chelates for
spectral sensitization of titanium dioxide
AUTHOR(S): Vasilevskaya, E. I.; Kuntsevich, N. I.; Bes'ko, O. I.;
Mezhentsev, V. A.; Abramenko, P. I.
CORPORATE SOURCE: Nauchno-Issled. Inst. Fiz.-Khim. Probl., Minsk, USSR
SOURCE: Zh. Nauchn. Prikl. Fotogr. Kinematogr. (1986), 31(5),
368-9
CODEN: ZNPFAG; ISSN: 0044-4561

DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Spectral sensitization of the oxalic acid modified TiO₂ films by 1,3,2-dioxaborine dyes led to the increase of the film sensitivity to the visible light to 2 times. 10-5-106 lx-1-s-1. At the same time, UV sensitivity of the films decreased from 5 times. 103 J-1-cm² (for the nonsensitized films) to 1.8 J-1-cm². Introduction of Ag⁺ led to the addnl. visible light sensitivity increase of the dye-contg. TiO₂. Also, nonmodified films and **photoimaging** layers based on TiO₂-binder dispersion are sensitized by dioxaborines, showing sensitivity of .apprx.10⁻⁶ and 10⁻⁴ lx-1-s-1, resp.

IT 105669-59-8

RL: USES (Uses)
(spectral sensitization of **photoimaging** titanium dioxide
layers by)

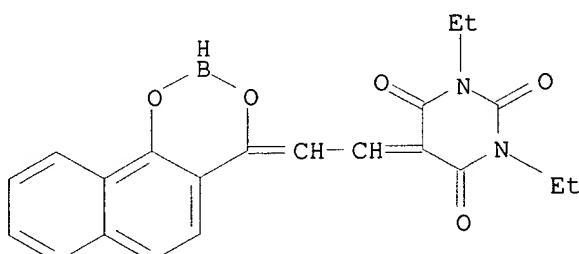
RN 105669-59-8 CAPLUS

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1,3-diethyl-5-(4H-naphtho[1,2-d]-1,3,2-dioxaborin-4-ylideneethylidene)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 105669-58-7

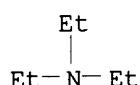
CMF C21 H19 B N2 O5



CM 2

CRN 121-44-8

CMF C6 H15 N



L7 ANSWER 2 OF 13 USPATFULL

ACCESSION NUMBER: 2001:231133 USPATFULL
TITLE: **Photographic** material having enhanced light absorption
INVENTOR(S): Deaton, Joseph C., Rochester, NY, United States
Parton, Richard L., Webster, NY, United States
Penner, Thomas L., Fairport, NY, United States
Harrison, William J., Rochester, NY, United States
Fenton, David E., Fairport, NY, United States
PATENT ASSIGNEE(S): Eastman Kodak Company, Rochester, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6331385	B1	20011218
APPLICATION INFO.:	US 1998-151977		19980911 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Chea, Thorl		
LEGAL REPRESENTATIVE:	Rice, Edith A.		
NUMBER OF CLAIMS:	39		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2723		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention comprises a silver halide **photographic** material comprising at least one silver halide emulsion comprising tabular silver halide grains having associated therewith at least two dye layers comprising

(a) an inner dye layer adjacent to the silver halide grain and comprising at least one dye that is capable of spectrally sensitizing silver halide and

(b) an outer dye layer adjacent to the inner dye layer and comprising at least one dye,

wherein the dye layers are held together by non-covalent forces or by in situ bond formation; the outer dye layer adsorbs light at equal or higher energy than the inner dye layer; and the energy emission wavelength of the outer dye layer overlaps with the energy absorption wavelength of the inner dye layer.

This invention also comprises a silver halide emulsion comprising silver halide tabular grains sensitized with at least one dye containing at least one anionic substituent and at least one dye containing at least one cationic substituent provides increased light absorption.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 260790-21-4

(photog. emulsions with enhanced light absorption with silver halide grains with multiple dye layers contg.)

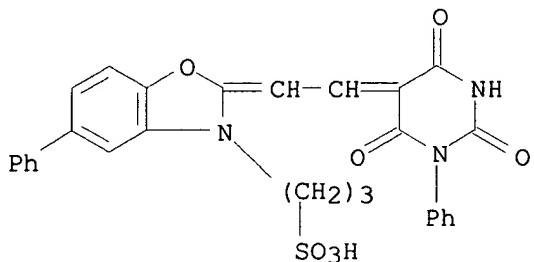
RN 260790-21-4 USPATFULL

CN 3(2H)-Benzoxazolepropanesulfonic acid, 5-phenyl-2-[(tetrahydro-2,4,6-trioxo-1-phenyl-5(2H)-pyrimidinylidene)ethyliidene]-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

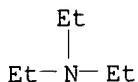
CRN 260790-20-3

CMF C28 H23 N3 O7 S



CM 2

CRN 121-44-8
CMF C6 H15 N



L7 ANSWER 3 OF 13 USPATFULL
 ACCESSION NUMBER: 2001:22018 USPATFULL
 TITLE: Method of inactivation of viral and bacterial blood
 contaminants
 INVENTOR(S): Platz, Matthew S., Columbus, OH, United States
 Goodrich, Jr., Raymond P., Pasadena, CA, United States
 Yerram, Nagender, South Pasadena, CA, United States
 PATENT ASSIGNEE(S): Baxter International Inc., Deerfield, IL, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6187572	B1	20010213
APPLICATION INFO.:	US 1993-47749		19930414 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-825691, filed on 27 Jan 1992, now abandoned Continuation-in-part of Ser. No. US 1991-685931, filed on 16 Apr 1991, now abandoned Continuation-in-part of Ser. No. US 1991-656254, filed on 15 Feb 1991, now abandoned Continuation-in-part of Ser. No. US 1990-632277, filed on 20 Dec 1990, now abandoned Continuation-in-part of Ser. No. US 1990-510234, filed on 16 Apr 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Weber, Jon P.		
LEGAL REPRESENTATIVE:	Swanson, Barry J., Serewicz, Denise M., Price, Bradford R. L.		
NUMBER OF CLAIMS:	58		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	29 Drawing Figure(s); 22 Drawing Page(s)		
LINE COUNT:	2112		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method is provided for inactivating viral and/or bacterial contamination in blood cellular matter, such as erythrocytes and platelets, or protein fractions. The cells or protein fractions are mixed with chemical sensitizers, frozen or freeze-dried, and irradiated with, for example, UV, visible, gamma or X-ray radiation while in the

solid state.

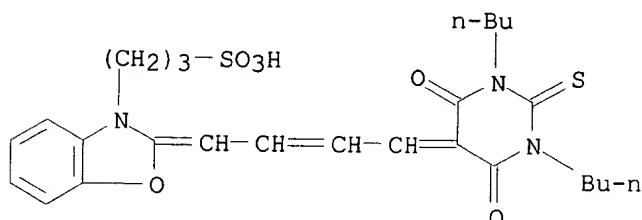
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 62796-23-0D, Merocyanine 540, derivs.

(method of inactivation of viral and bacterial blood contaminants using chem. sensitizers and irradn.)

RN 62796-23-0 USPATFULL

CN 3(2H)-Benzoxazolepropanesulfonic acid, 2-[4-(1,3-dibutyltetrahydro-4,6-dioxo-2-thioxo-5(2H)-pyrimidinylidene)-2-butenylidene]-, sodium salt (9CI) (CA INDEX NAME)



● Na

L7 ANSWER 4 OF 13 USPATFULL

ACCESSION NUMBER: 2000:109572 USPATFULL
TITLE: Detection of transmembrane potentials by optical methods
INVENTOR(S): Tsien, Roger Y., La Jolla, CA, United States
Gonzalez, III, Jesus E., La Jolla, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107066		20000822
	WO 9641166		19961219
APPLICATION INFO.:	US 1997-765860		19970508 (8)
	WO 1996-US9652		19960606
			19970508 PCT 371 date
			19970508 PCT 102(e) date

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ceperley, Mary E.
LEGAL REPRESENTATIVE: Gray Cary Ware & Freidenrich LLP, Haile, Lisa A.
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 26 Drawing Figure(s); 21 Drawing Page(s)
LINE COUNT: 2478

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and **compositions** are provided for determining the potential of a membrane. In one aspect, the method comprises:

(a) introducing a first reagent comprising a hydrophobic fluorescent ion capable of redistributing from a first face of the membrane to a second face of the membrane in response to changes in the potential of the membrane, as described by the Nernst equation,

(b) introducing a second reagent which labels the first face or the second face of the membrane, which second reagent comprises a

chromophore capable of undergoing energy transfer by either (i) donating excited state energy to the fluorescent ion, or (ii) accepting excited state energy from the fluorescent ion,

(c) exposing the membrane to radiation;

(d) measuring energy transfer between the fluorescent ion and the second reagent, and

(e) relating the energy transfer to the membrane potential.

Energy transfer is typically measured by fluorescence resonance energy transfer. In some embodiments the first and second reagents are bound together by a suitable linker.

In one aspect the method is used to identify compounds which modulate membrane potentials in biological membranes.

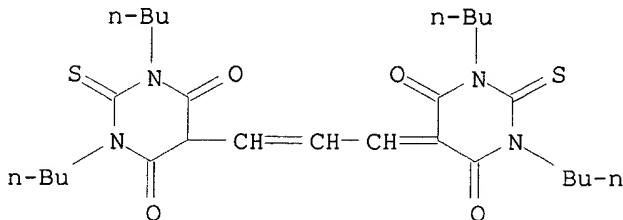
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 155703-07-4P 186776-35-2P

(transmembrane potential detn. by fluorescence resonance energy transfer method)

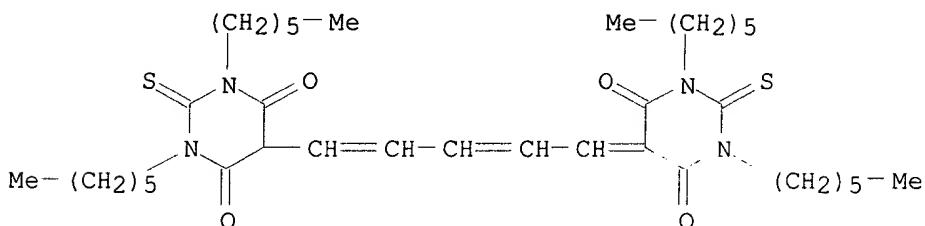
RN 155703-07-4 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1,3-dibutyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]dihydro-2-thioxo- (9CI) (CA INDEX NAME)



RN 186776-35-2 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 5-[5-(1,3-dihexylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2,4-pentadienylidene]-1,3-dihexyldihydro-2-thioxo- (9CI) (CA INDEX NAME)



IT 169211-43-2P 186776-44-3P 186776-45-4P

186776-51-2P 186776-61-4P

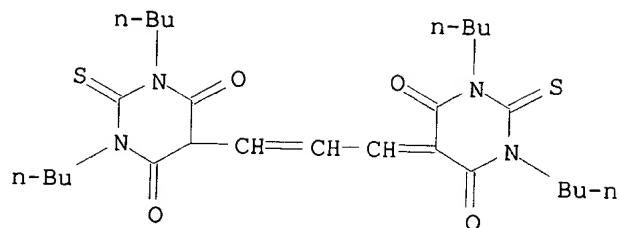
(transmembrane potential detn. by fluorescence resonance energy transfer method)

RN 169211-43-2 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1,3-dibutyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]dihydro-2-thioxo-, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 155703-07-4
CMF C27 H40 N4 O4 S2



CM 2

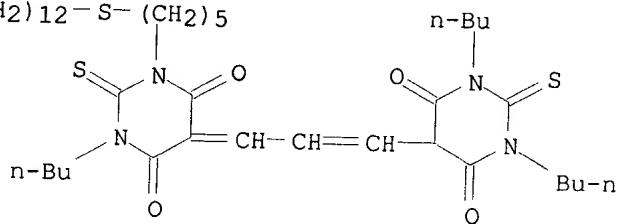
CRN 110-86-1
CMF C5 H5 N



RN 186776-44-3 USPATFULL

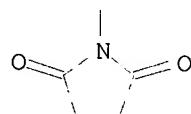
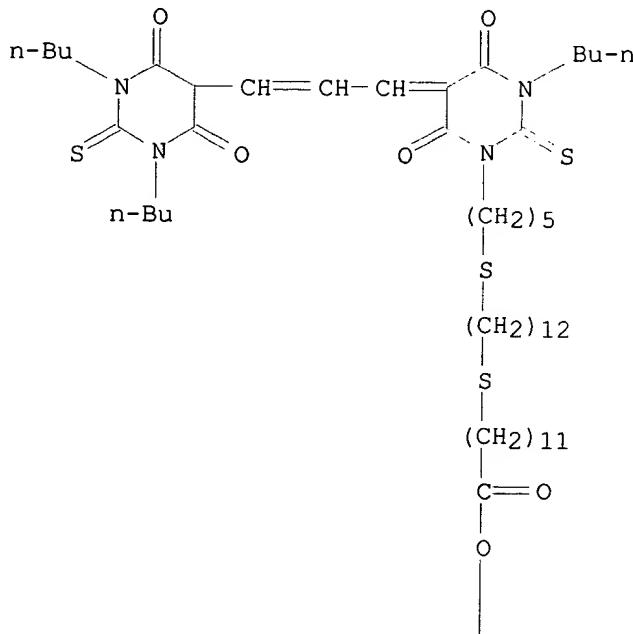
CN Dodecanoic acid, 12-[[12-[[5-[3-butyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]tetrahydro-4,6-dioxo-2-thioxo-1(2H)-pyrimidinyl]pentyl]thio]dodecyl]thio]- (9CI) (CA INDEX NAME)

HO₂C-(CH₂)₁₁-S-(CH₂)₁₂-S-(CH₂)₅



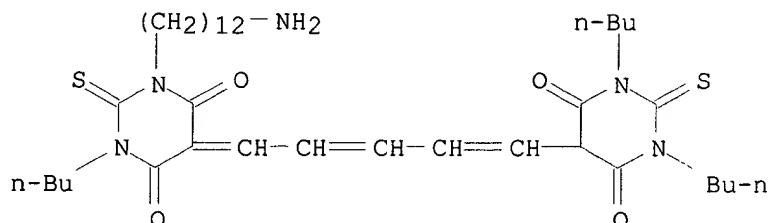
RN 186776-45-4 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1-butyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]-3-[5-[[12-[[12-[(2,5-dioxo-1-pyrrolidinyl)oxy]-12-oxododecyl]thio]dodecyl]thio]pentyl]dihydro-2-thioxo- (9CI) (CA INDEX NAME)



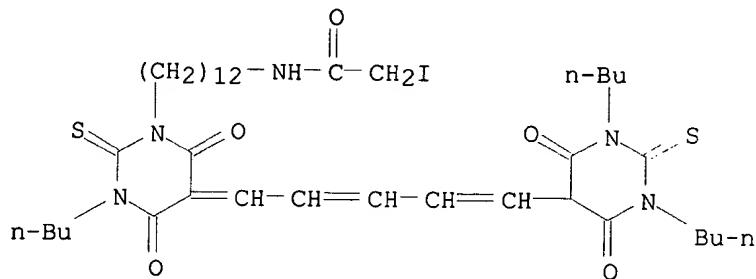
RN 186776-51-2 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1-(12-aminododecyl)-3-butyl-5-[5-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2,4-pentadienylidene]dihydro-2-thioxo- (9CI) (CA INDEX NAME)



RN 186776-61-4 USPATFULL

CN Acetamide, N-[12-[3-butyl-5-[5-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2,4-pentadienylidene]tetrahydro-4,6-dioxo-2-thioxo-1(2H)-pyrimidinyl]dodecyl]-2-iodo- (9CI) (CA INDEX NAME)



IT 186776-57-8P 186776-59-0P

(transmembrane potential detn. by fluorescence resonance energy transfer method)

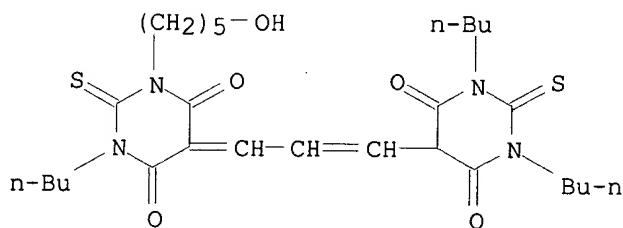
RN 186776-57-8 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1-butyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]dihydro-3-(5-hydroxypentyl)-2-thioxo-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 186776-56-7

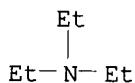
CMF C28 H42 N4 O5 S2



CM 2

CRN 121-44-8

CMF C6 H15 N



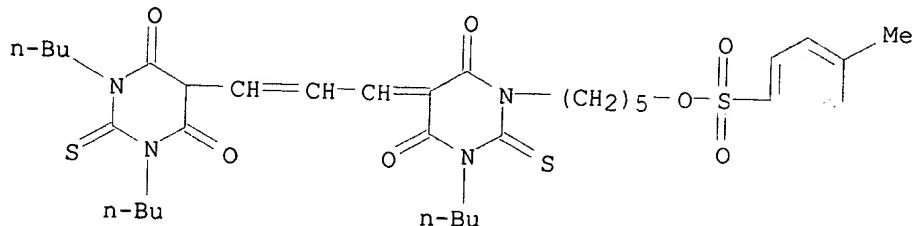
RN 186776-59-0 USPATFULL

CN 4,6(1H,5H)-Pyrimidinedione, 1-butyl-5-[3-(1,3-dibutylhexahydro-4,6-dioxo-2-thioxo-5-pyrimidinyl)-2-propenylidene]dihydro-3-[5-[(4-methylphenyl)sulfonyl]oxy]pentyl]-2-thioxo-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

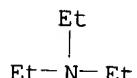
CRN 186776-58-9

CMF C35 H48 N4 O7 S3



CM 2

CRN 121-44-8
CMF C6 H15 N



L7 ANSWER 5 OF 13 USPATFULL

ACCESSION NUMBER:

2000:43921 USPATFULL

TITLE:

Silver halide **photographic** material

INVENTOR(S):

Suzumoto, Takeshi, Kanagawa, Japan

Urabe, Shigeharu, Kanagawa, Japan

Yamashita, Katsuhiro, Kanagawa, Japan

PATENT ASSIGNEE(S):

Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6048681		20000411
APPLICATION INFO.:	US 1998-177102		19981022 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-292882	19971024
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Huff, Mark F.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn Macpeak & Seas, PLLC	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1,2	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	1860	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a silver halide **photographic** material having at least one silver halide emulsion layer containing a silver halide **photographic** emulsion, wherein the silver halide **photographic** emulsion comprises spectrally sensitized tabular silver halide grains having an average aspect ratio of from 8 to 100, and having light absorption strength by a sensitizing dye per unit surface area of the grain surface of 100 or more.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 212833-28-8 225239-32-7

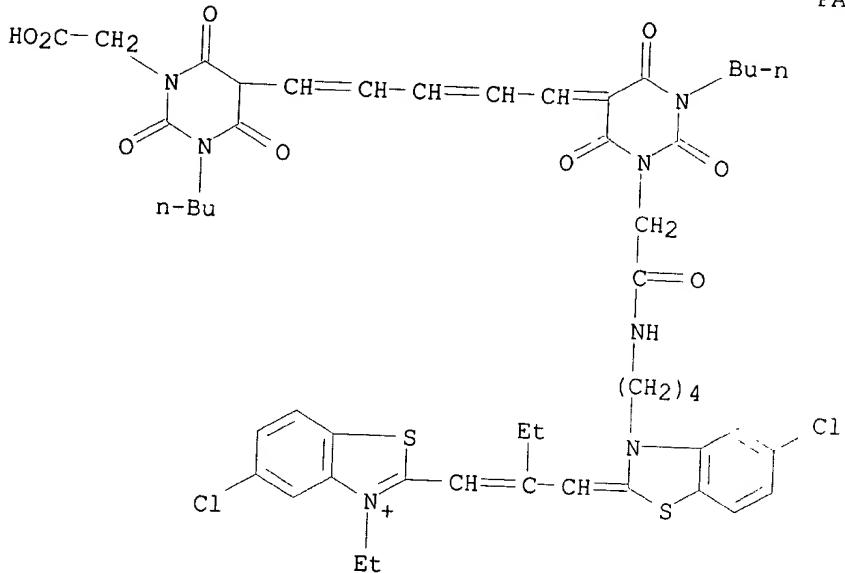
(sensitizing dye; spectrally sensitized silver halide photog. material with high sensitivity)

RN 212833-28-8 USPATFULL

CN Benzothiazolium, 2-[2-[[3-[4-[[[3-butyl-5-[1-butyl-3-

(carboxymethyl)hexahydro-2,4,6-trioxo-5-pyrimidinyl]-2,4-pentadienylidene]tetrahydro-2,4,6-trioxo-1(2H)-pyrimidinyl]acetyl]amino]butyl]-5-chloro-2(3H)-benzothiazolylidene)methyl]-1-but enyl]-5-chloro-3-ethyl-, bromide (9CI)
(CA INDEX NAME)

PAGE 1-A

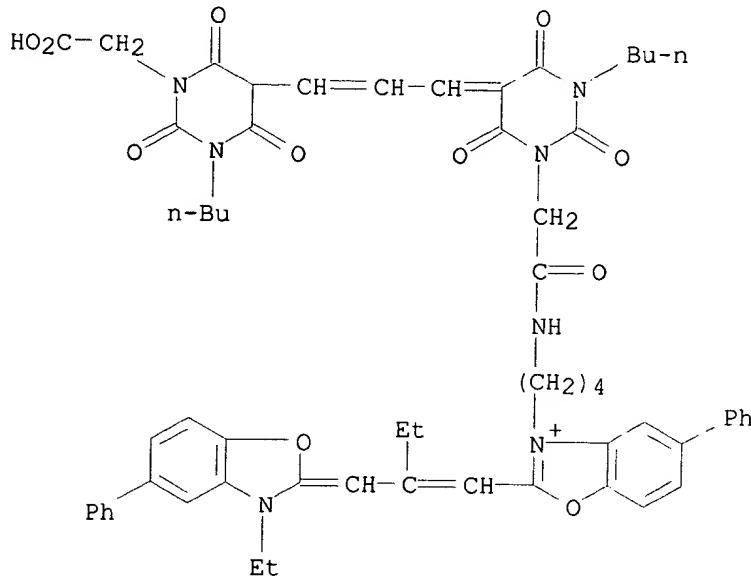


PAGE 2-A

● Br⁻

RN 225239-32-7 USPATFULL

CN Benzoazolium, 3-[4-[[3-butyl-5-[3-[1-butyl-3-(carboxymethyl)hexahydro-2,4,6-trioxo-5-pyrimidinyl]-2-propenylidene]tetrahydro-2,4,6-trioxo-1(2H)-pyrimidinyl]acetyl]amino]butyl]-2-[2-[(3-ethyl-5-phenyl-2(3H)-benzoxazolylidene)methyl]-1-but enyl]-5-phenyl-, bromide (9CI) (CA INDEX NAME)

● Br⁻

L7 ANSWER 6 OF 13 USPATFULL

ACCESSION NUMBER:

1999:124661 USPATFULL

TITLE:

Light sensitive **composition** and method for manufacturing planographic printing plate employing the same

INVENTOR(S):

Okubo, Kimihiko, Hino, Japan

Nakayama, Noritaka, Hino, Japan

PATENT ASSIGNEE(S):

Konica Corporation, Tokyo, Japan (non-U.S. corporation)

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION:	US 5965324	19991012
APPLICATION INFO.:	US 1997-896847	19970718 (8)

NUMBER	DATE
--------	------

PRIORITY INFORMATION:	JP 1996-194675	19960724
-----------------------	----------------	----------

DOCUMENT TYPE:	Utility
----------------	---------

FILE SEGMENT:	Granted
---------------	---------

PRIMARY EXAMINER:	Hamilton, Cynthia
-------------------	-------------------

LEGAL REPRESENTATIVE:	Frishauf, Holtz, Goodman, Langer & Chick, P.C.
-----------------------	--

NUMBER OF CLAIMS:	9
-------------------	---

EXEMPLARY CLAIM:	1
------------------	---

LINE COUNT:	848
-------------	-----

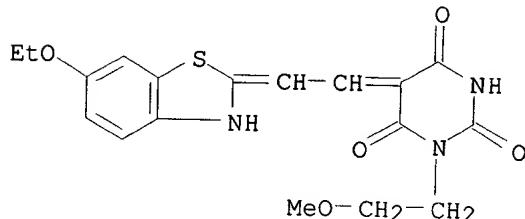
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A light sensitive **composition** and a manufacturing method of a planographic printing plate employing the same are disclosed, the **composition** comprising a radical generating agent and a dye represented by the following formula (1), (2) or (3): ##STR1##

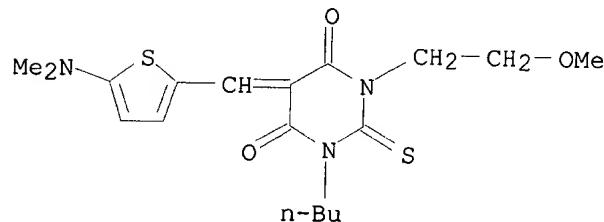
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 203943-53-7D, derivs. 203943-54-8 203943-55-9

203943-57-1

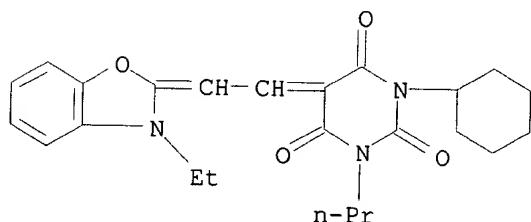
(photopolymer. initiator contg. radical generating agent and dye)
RN 203943-53-7 USPATFULL
CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-[(6-ethoxy-2(3H)-
benzothiazolylidene)ethylidene]-1-(2-methoxyethyl)- (9CI) (CA INDEX
NAME)



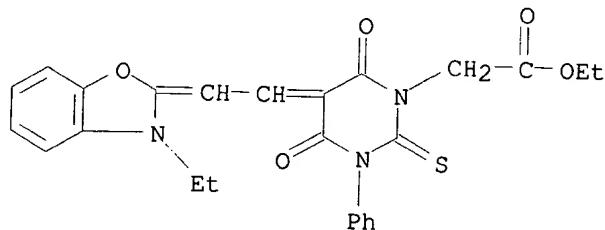
RN 203943-54-8 USPATFULL
CN 4,6(1H,5H)-Pyrimidinedione, 1-butyl-5-[(5-(dimethylamino)-2-
thienyl)methylene]dihydro-3-(2-methoxyethyl)-2-thioxo- (9CI) (CA INDEX
NAME)



RN 203943-55-9 USPATFULL
CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-cyclohexyl-5-[(3-ethyl-2(3H)-
benzoxazolylidene)ethylidene]-3-propyl- (9CI) (CA INDEX NAME)



RN 203943-57-1 USPATFULL
CN 1(2H)-Pyrimidineacetic acid, 5-[(3-ethyl-2(3H)-
benzoxazolylidene)ethylidene]tetrahydro-4,6-dioxo-3-phenyl-2-thioxo-,
ethyl ester (9CI) (CA INDEX NAME)

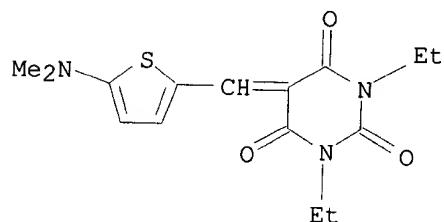


IT 203943-52-6P 203943-58-2P

(photopolymn. initiator contg. radical generating agent and dye)

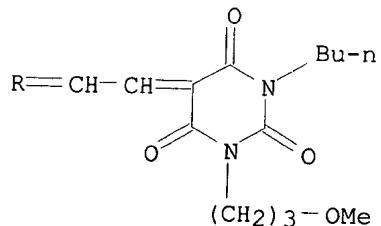
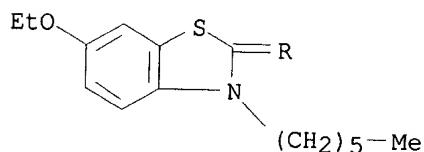
RN 203943-52-6 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-[[5-(dimethylamino)-2-thienyl]methylene]-1,3-diethyl- (9CI) (CA INDEX NAME)



RN 203943-58-2 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-butyl-5-[(6-ethoxy-3-hexyl-2(3H)-benzothiazolylidene)ethylidene]-3-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 13 USPATFULL

ACCESSION NUMBER: 95:92674 USPATFULL

TITLE: Methine compound and silver halide photographic material comprising same

INVENTOR(S): Hioki, Takanori, Kanagawa, Japan

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION:
APPLICATION INFO.:

US 5459025
US 1994-309672

19951017
19940921 (8)

NUMBER DATE

PRIORITY INFORMATION: JP 1993-235141 19930921
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Baxter, Janet C.
LEGAL REPRESENTATIVE: Sughrue, Mion, Zinn, Macpeak & Seas
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 1695

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel silver halide **photographic** material is provided, comprising at least one methine compound having a methine dye and hydrazine covalently bonded to each other, two nitrogen atoms in said hydrazine being substituted by four substituents. In a preferred embodiment, the methine compound is represented by formula (I): ##STR1## wherein MET represents an atomic group; Q represents a divalent bonding group consisting of atoms or atomic group containing at least one of carbon atom, nitrogen atom, sulfur atom and oxygen atom; Hy represents an atomic group having a hydrazine structure represented by formula (II); k.sub.1 represents 0 or an integer 1 to 4; and k.sub.2 represents 0 or 1, and k.sub.3 represents an integer 1 to 4. ##STR2## wherein R.sub.1, R.sub.2, R.sub.3 and R.sub.4 each represents an alkyl group, an aryl group or a heterocyclic group, with the proviso that Hy is substituted by at least one --(Q).sub.k2 -(MET).sub.k1. A novel methine compound is also provided represented by the general formula (I).

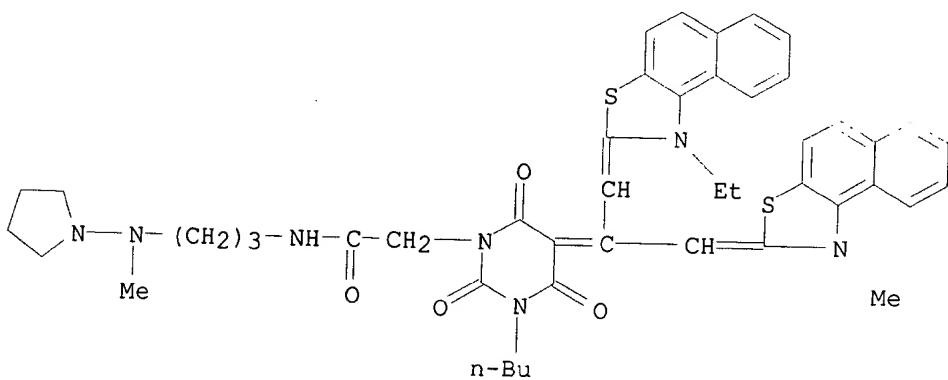
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 166307-10-4P 166307-11-5P

(hydrazine-contg. methine compd. and high-sensitivity silver halide photog. material)

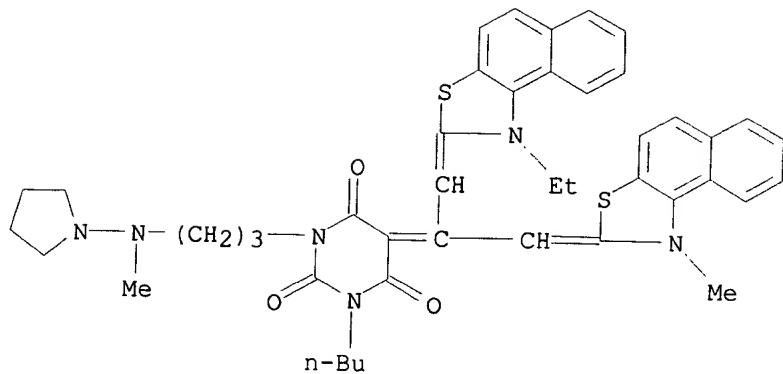
RN 166307-10-4 USPATFULL

CN 1(2H)-Pyrimidineacetamide, 3-butyl-5-[1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]-2-(1-methylnaphtho[1,2-d]thiazol-2(1H)-ylidene)ethylidene]tetrahydro-N-[3-(methyl-1-pyrrolidinylamino)propyl]-2,4,6-trioxo- (9CI) (CA INDEX NAME)



RN 166307-11-5 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-butyl-5-[1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]-2-(1-methylnaphtho[1,2-d]thiazol-2(1H)-ylidene)ethylidene]-3-[3-(methyl-1-pyrrolidinylamino)propyl]- (9CI) (CA INDEX NAME)

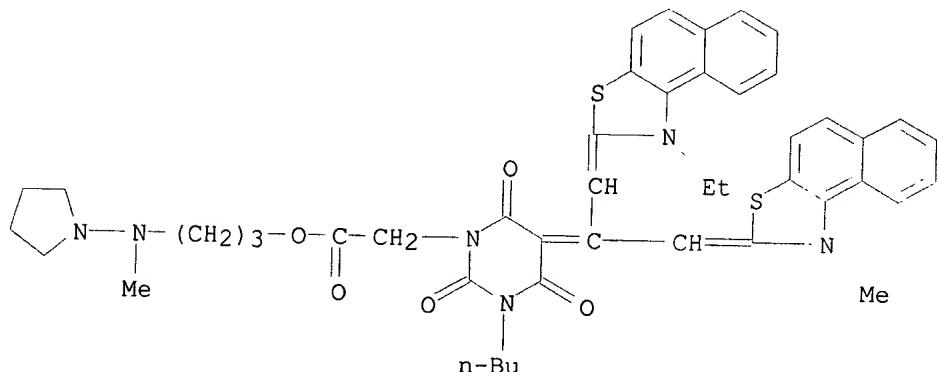


IT 166307-12-6 166307-13-7

(hydrazine-contg. methine compd. and high-sensitivity silver halide photog. material)

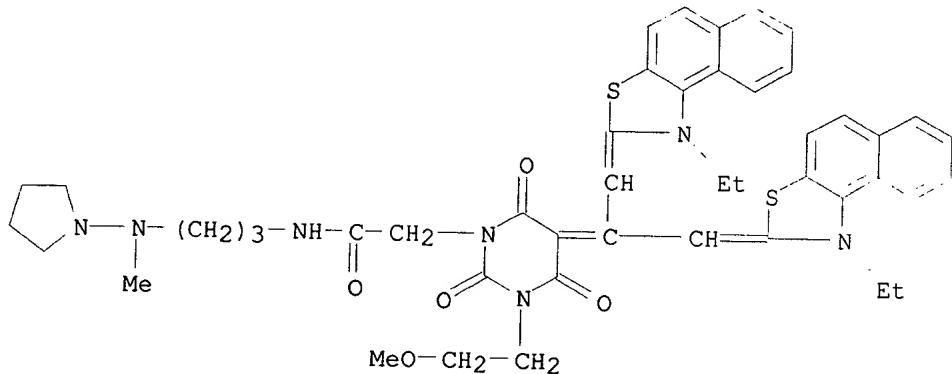
RN 166307-12-6 USPATFULL

CN 1(2H)-Pyrimidineacetic acid, 3-butyl-5-[1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]-2-(1-methylnaphtho[1,2-d]thiazol-2(1H)-ylidene)ethylidene]tetrahydro-2,4,6-trioxo-, 3-(methyl-1-pyrrolidinylamino)propyl ester (9CI) (CA INDEX NAME)



RN 166307-13-7 USPATFULL

CN 1(2H)-Pyrimidineacetamide, 5-[2-(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)-1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]ethylidene]tetrahydro-3-(2-methoxyethyl)-N-[3-(methyl-1-pyrrolidinylamino)propyl]-2,4,6-trioxo- (9CI) (CA INDEX NAME)

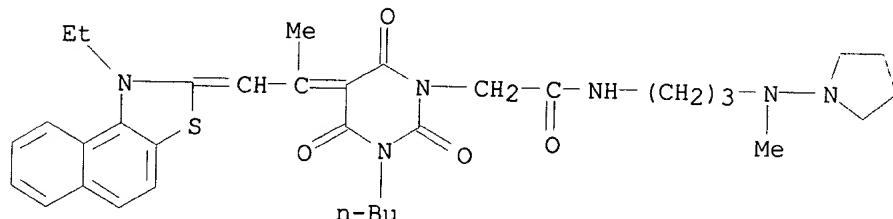


IT 166307-19-3P 166307-21-7P

(hydrazine-contg. methine compd. and high-sensitivity silver halide photog. material)

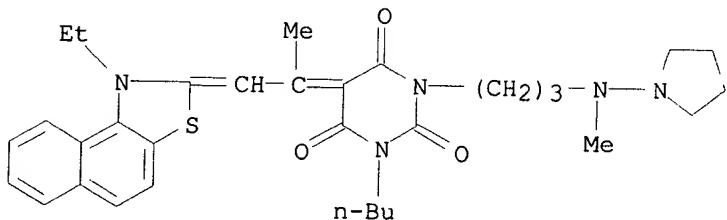
RN 166307-19-3 USPATFULL

CN 1(2H)-Pyrimidineacetamide, 3-butyl-5-[2-(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)-1-methylethylidene]tetrahydro-N-[3-(methyl-1-pyrrolidinylamino)propyl]-2,4,6-trioxo- (9CI) (CA INDEX NAME)



RN 166307-21-7 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-butyl-5-[2-(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)-1-methylethylidene]-3-[3-(methyl-1-pyrrolidinylamino)propyl]- (9CI) (CA INDEX NAME)

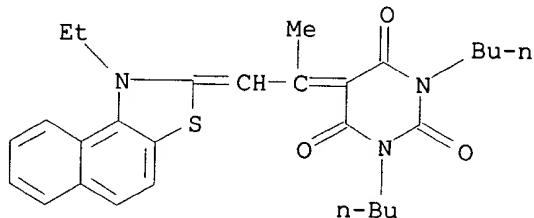


IT 166307-18-2

(hydrazine-contg. methine compd. and high-sensitivity silver halide photog. material)

RN 166307-18-2 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1,3-dibutyl-5-[2-(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)-1-methylethylidene]- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 13 USPATFULL

ACCESSION NUMBER:

95:69200 USPATFULL

TITLE:

Silver halide **photographic** material

INVENTOR(S):

Ikegawa, Akihiko, Kanagawa, Japan

Kuramitsu, Masayuki, Kanagawa, Japan

Okazaki, Masaki, Kanagawa, Japan

PATENT ASSIGNEE(S):

Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5437972		19950801
APPLICATION INFO.:	US 1994-187012		19940127 (8)
DISCLAIMER DATE:	20110301		
RELATED APPLN. INFO.:	Division of Ser. No. US 1992-957042, filed on 6 Oct 1992, now patented, Pat. No. US 5310645		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-285532	19911007
	JP 1992-23343	19920114
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Baxter, Janet C.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1579	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a novel silver halide **photographic** material comprising a support having thereon (a) a layer containing at least one methine compound represented by the following general formula (I) and (b) a layer containing at least one methine compound represented by the following general formula (II), (III), (IV) or (V): ##STR1## wherein the variables in the formulas are defined in the detailed description. In a preferred embodiment, the silver halide **photographic** material comprises at least one methine compound represented by general formula (I) and at least one methine compound represented by general formula (II) or (V) in the same layer.

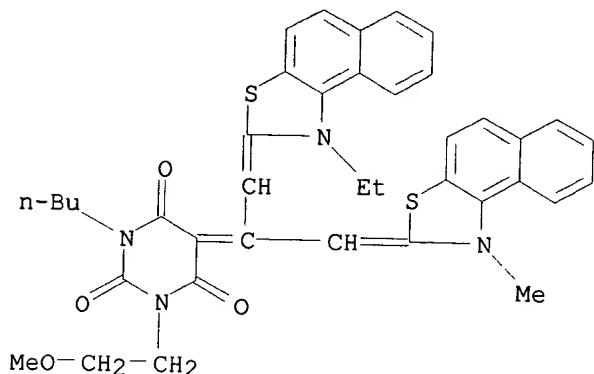
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 94143-58-5

(dye sensitizer, color photog. material contg., for both improved sensitivity and reduced residual color)

RN 94143-58-5 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-butyl-5-[1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]-2-(1-methylnaphtho[1,2-d]thiazol-2(1H)-ylidene)ethylidene]-3-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 9 OF 13 USPATFULL

ACCESSION NUMBER: 94:39964 USPATFULL
 TITLE: Silver halide **photographic** material
 INVENTOR(S): Ikegawa, Akihiko, Kanagawa, Japan
 Kuramitsu, Masayuki, Kanagawa, Japan
 Okazaki, Masaki, Kanagawa, Japan
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5310645		19940510
APPLICATION INFO.:	US 1992-957042		19921006 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-285532	19911007
	JP 1992-23343	19920114
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Baxter, Janet C.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1503	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a novel silver halide **photographic** material is provided comprising a support having thereon (a) a layer containing at least one methine compound represented by the following general formula (I) and (b) a layer containing at least one methine compound represented by the following general formula (II), (III), (IV) or (V): ##STR1## wherein the variables in the formulas are defined in the detailed description. In a preferred embodiment, the silver halide **photographic** material comprises at least one methine compound represented by general formula (I) and at least one methine compound represented by general formula (II) or (V) in the same layer.

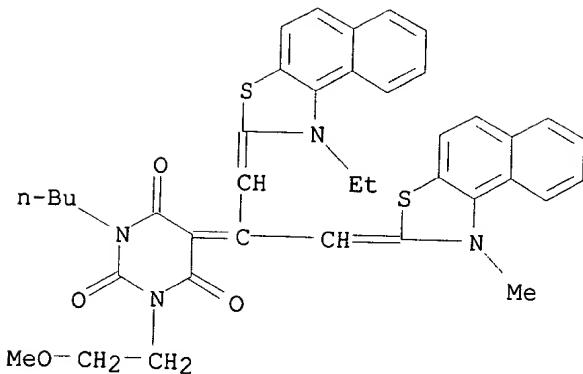
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 94143-58-5

(dye sensitizer, color photog. material contg., for both improved sensitivity and reduced residual color)

RN 94143-58-5 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1-butyl-5-[1-[(1-ethylnaphtho[1,2-d]thiazol-2(1H)-ylidene)methyl]-2-(1-methylnaphtho[1,2-d]thiazol-2(1H)-ylidene)ethylidene]-3-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 10 OF 13 USPATFULL

ACCESSION NUMBER:

88:57379 USPATFULL

TITLE:

Oxidative imaging

INVENTOR(S):

Patel, Ranjan C., Thorley, United Kingdom

Ferguson, Ian J., Ickleton, United Kingdom

Pennicott, Herbert J., Harlow, United Kingdom

Minnesota Mining and Manufacturing Company, St. Paul, MN, United States (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4769459		19880906
APPLICATION INFO.:	US 1986-926338		19861103 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1985-814635, filed on 30 Dec 1985, now patented, Pat. No. US 4701402		

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

Daus, Donald G.

ASSISTANT EXAMINER:

Shen, Cecilia

LEGAL REPRESENTATIVE:

Sell, Donald M., Litman, Mark A.

NUMBER OF CLAIMS:

7

EXEMPLARY CLAIM:

1

LINE COUNT: 884

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A radiation-sensitive element capable of recording an image upon image-wise exposure to radiation of selected wavelength, the element comprising, as the image-forming components, an effective amount of a bleachable dye in reactive association with an iodonium ion. Suitable dyes include polymethine dyes having an oxidation potential between 0 and +1 volt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 78902-51-9 94564-92-8

(photoimaging compns. contg. iodonium salt and, for pos. image formation)

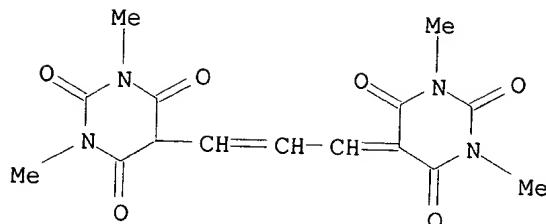
RN 78902-51-9 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-[3-(hexahydro-1,3-dimethyl-2,4,6-trioxo-5-pyrimidinyl)-2-propenylidene]-1,3-dimethyl-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

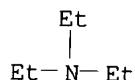
CRN 78902-50-8

CMF C15 H16 N4 O6



CM 2

CRN 121-44-8
CMF C6 H15 N



RN 94564-92-8 USPATEFUL

STRUCTURE DIAGRAM IS NOT AVAILABLE

L7 ANSWER 11 OF 13 USPATFULL
ACCESSION NUMBER: 87:73262 USPATFULL
TITLE: Oxidative imaging
INVENTOR(S): Patel, Ranjan C., Thorley, United Kingdom
Ferguson, Ian J., Ickleton, United Kingdom
Pennicott, Herbert J., Harlow, United Kingdom
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, St. Paul,
MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4701402		19871020
APPLICATION INFO.:	US 1985-814635		19851230 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1984-579275, filed on 13 Feb 1984		

DOCUMENT TYPE: Feb 1984, now abandoned
FILE SEGMENT: Utility
PRIMARY EXAMINER: Granted
LEGAL REPRESENTATIVE: Louie, Won H.
NUMBER OF CLAIMS: Sell, Donald M., Smith, James A., Litman, Mark A.
EXEMPLARY CLAIM: 26
LINE COUNT: 1
END

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A radiation-sensitive element capable of recording an image upon image-wise exposure to radiation of selected wavelength, the element comprising, as the image-forming components, an effective amount of a bleachable dye in reactive association with an iodonium ion. Suitable dyes include polymethine dyes having an oxidation potential between 0 and +1 volt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT

IT 78902-51-9 94564-92-8

(photoimaging compns. contg. iodonium salt and, for pos. image formation)

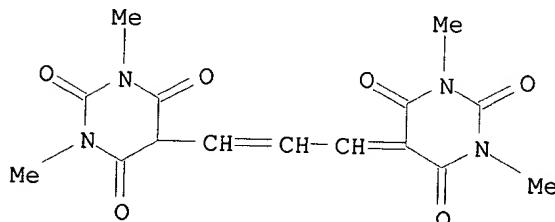
RN 78902-51-9 USPATELLI

70302-51-9 USPATFULL
CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-[3-*h*exahydro-1,3-dimethyl-2,4,5-

trioxo-5-pyrimidinyl)-2-propenylidene]-1,3-dimethyl-, compd. with
N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

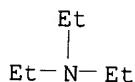
CM 1

CRN 78902-50-8
CMF C15 H16 N4 O6



CM 2

CRN 121-44-8
CMF C6 H15 N



RN 94564-92-8 USPATFULL

STRUCTURE DIAGRAM IS NOT AVAILABLE

L7 ANSWER 12 OF 13 USPATFULL
ACCESSION NUMBER: 80:55762 USPATFULL
TITLE: Temperature indicating compositions of matter
INVENTOR(S): Hof, Craig R., Hopatcong, NJ, United States
Ulin, Roy A., Wyckoff, NJ, United States
PATENT ASSIGNEE(S): Akzona Incorporated, Asheville, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4232552		19801111
APPLICATION INFO.:	US 1978-946935		19780928 (5)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1978-895422, filed on 13 Apr 1978, now abandoned which is a continuation-in-part of Ser. No. US 1977-844334, filed on 21 Oct 1977, now abandoned which is a continuation-in-part of Ser. No. US 1977-796492, filed on 12 May 1977, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gron, Teddy S.		
LEGAL REPRESENTATIVE:	Falk, Robert H., Wendel, Charles A., Young, Francis W.		
NUMBER OF CLAIMS:	89		
EXEMPLARY CLAIM:	1,42		
NUMBER OF DRAWINGS:	18 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	6249		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	Novel and stable compositions of matter are disclosed which		

change color sharply upon a transition from a liquid state to a solid state or from a solid state to a liquid state, which change of state is substantially a predetermined temperature corresponding to a temperature to be measured.

The constituents of the novel **compositions** of matter comprise:

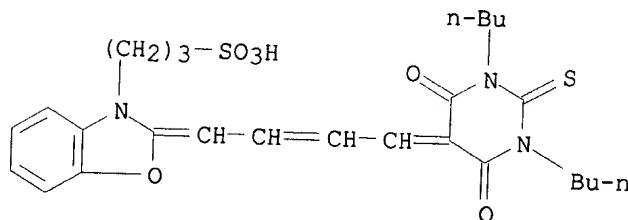
1. a solvent (I) consisting of a single substance or a mixture of substances and adapted to change from a solid state at substantially a predetermined temperature to a liquid state and
2. an indicator system (II) consisting of one or more substances different from (I), characterized in that
 - (a) (II) is soluble in (I) when the latter is in the liquid phase, and
 - (b) (II) changes color visible to the naked eye when (I) passes from the solid to the liquid phase or from the liquid to the solid phase.

Thermometers containing said stable **compositions** of matter are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 62796-23-0

(temp. measuring compn. contg., for disposable thermometers)

RN 62796-23-0 USPATFULL
CN 3(2H)-Benzoxazolepropanesulfonic acid, 2-[4-(1,3-dibutyltetrahydro-4,6-dioxo-2-thioxo-5(2H)-pyrimidinylidene)-2-butenylidene]-, sodium salt (9CI) (CA INDEX NAME)



PRIORITY INFORMATION: GB 1976-30100 19760720
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Curtis, Allen B.
LEGAL REPRESENTATIVE: DiPrima, Joseph F., Cavalieri, Vincent J.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 588

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Diepoxides which may be **photopolymerized** in the presence or absence of a **photosensitizer** contain a group having conjugated unsaturation attached to a nitrogen heterocycle, such as a hydantoin or barbituric acid residue, forming part of an advanced diepoxide. The resultant **photopolymer** may be crosslinked by heating in the presence of a curing agent for epoxide resins.

The diepoxides are of use in the production of printing plates and printed circuits, especially multilayer printed circuits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 66835-67-4

(photopolymerizable compns. contg., for photoresists and printing plates)

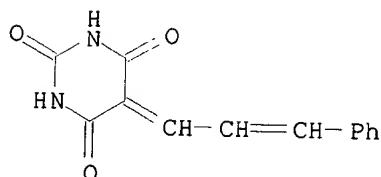
RN 66835-67-4 USPATFULL

CN 2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-(3-phenyl-2-propenylidene)-, polymer with 2,2'-(1,4-butanediylbis(oxymethylene))bis[oxirane] (9CI) (CA INDEX NAME)

CM 1

CRN 23450-49-9

CMF C13 H10 N2 O3



CM 2

CRN 2425-79-8

CMF C10 H18 O4

